

## 8-Hydroxydeoxyguanosine (8-OHdG) CLIA Kit | 8-OHdG clia kit

General species 8-Hydroxydeoxyguanosine (8-OHdG)(Competitive CLIA) CLIA Kit

|                               |                                      |                                                             |
|-------------------------------|--------------------------------------|-------------------------------------------------------------|
| CATALOG #<br><b>AAA150862</b> | REACTIVITY<br><b>General species</b> | APPLICATIONS<br><b>CLIA (Chemiluminescence Immunoassay)</b> |
|-------------------------------|--------------------------------------|-------------------------------------------------------------|

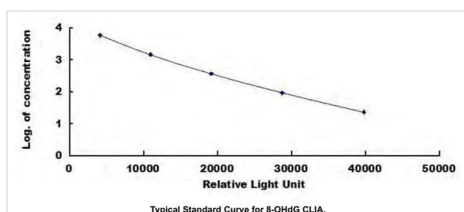
### PRODUCT SYNONYMS

8-Hydroxydeoxyguanosine (8-OHdG); General species 8-Hydroxydeoxyguanosine (8-OHdG)(Competitive CLIA) CLIA Kit; CLIA Kit for 8-Hydroxydeoxyguanosine (8-OHdG); 8-OHdG/8-Hydroxydeoxyguanosine; 8OHdG; 7; 8-Dihydro-8-Oxo-2'-Deoxyguanosine; 8-Dihydro-8-Oxodeoxyguanosine; 8-Hydroxy-2'-Deoxyguanosine; 8-Oxo-DG; 8-OHdG clia kit

### PRODUCT SPECIFICATIONS

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                  | General species                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Specificity                                 | This assay has high sensitivity and excellent specificity for detection of 8-OHdG. No significant cross-reactivity or interference between 8-OHdG and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                              |
| Assay Type                                  | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Samples                                     | Serum, plasma and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Detection Range                             | 23.44-6,000pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Sensitivity                                 | < 10.86pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Applicable Applications for 8-OHdG clia kit | CLIA (Chemiluminescence Immunoassay)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Intra-assay Precision                       | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level 8-OHdG were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                                                                                                                                                                                                                                                                                                                                                                                   |
| Inter-assay Precision                       | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level 8-OHdG were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%                                                                                                                                                                                                                                                                                                                                                                 |
| Preparation and Storage                     | Store at 4 degree C for 1 month; -20 degree C for long-term (within shelf life)<br>The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for 8-OHdG clia kit | <p>Principle of the Assay: The microplate provided in this kit has been pre-coated with a monoclonal antibody specific to 8-OHdG. A competitive inhibition reaction is launched between biotin labeled 8-OHdG and unlabeled 8-OHdG (Standards or samples) with the pre-coated antibody specific to 8-OHdG. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of 8-OHdG in the sample. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is reverse proportional to the 8-OHdG level in the sample or standard.</p> <p>Intended Uses: The Chemiluminescent Immunoassay kit is designed for the in vitro sensitive quantitative measurement of 8-OHdG in serum, plasma and other biological fluids.</p> |
| Product Categories/Family for 8-OHdG clia kit   | Metabolic pathway                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/general-clia-kits/8-hydroxydeoxyguanosine-8-ohdg/150862>